	1		Claims
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	3	1.	Piezoelectric actuator having
	4	-	a piezoelectric element (2; 21) for actuating a mechanical component with
	5		a pulling or pushing force, and a compensating element (3; 22), wherein
	6		the piezoelectric element (2) and the compensating element (3; 22)
	7		basically have the same temperature expansion coefficients, and wherein
	8	-	the compensating element (3; 22) is mechanically coupled to the
	9	6- /	piezoelectric element (2; 21) in such a fashion that the temperature-
	10	gr.	induced expansions of the piezoelectric element (2; 21) and the
	11	7	compensating element (3; 22) cancel each other out in the effective
	12		direction in such a fashion that the actuating element remains in its
	13		position.
	14		
T	15	2.	Piezoelectric actuator according to claim 1, characterized in that
I	16	-	a heat transfer compound (12) is located between the piezoelectric
	17		element (2; 21) and the compensating element (3; 22).
The state of the s	18		
	19	3.	Piezoelectric actuator according to claim 1 or 2, characterized in that
	20	-	the piezoelectric element (2; 21) is supported on one end on a fixed
	21		support plate (9), which fixed support plate (9) bears against the housing
	22		(7) for the piezoelectric actuator (1; 20) via a spring (10) and which is
	23		connected at the other end to a pretensioning spring (6; 23) via a pressing
	24		plate (11; 24), which pretensioning spring (6; 23), in turn, is held against
	25		the fixed support plate (9) with its other end, and that
	26	-	the compensating element (3; 22) basically lies parallel to the piezoelectric
	27	•	element (2; 21) and is also held against the fixed support plate (9) with
	28	}	one end and solidly abuts the housing (7) with the other end.
	29)	
	30	4.	Piezoelectric actuator according to claim 3, characterized in that

Piezoelectric actuator according to claim 4, characterized in that

pressing plate (5) via a tightening strap (8).

the movable end of the piezoelectric element (2) is connected to the

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in tandem.

the pretensioning spring (6) and the piezoelectric element (2) are located

the compensating element (3; 22) is composed of piezoelectric plies

direction when an external electric voltage is applied.

arranged in the longitudinal direction that become shorter in the effective